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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Rabinovich *et al.*

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Art Unit: 1742

Title: Method and Apparatus for Heat
Treating MaterialDate: 23 January 2003 CERTIFICATE OF FACSIMILE
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AMENDMENT UNDER 37 C.F.R. § 1.111

Applicants wish to amend the Application as set forth, in clean form, below. A version of the amendments with markings to show changes made appears as Attachment "A."

IN THE SPECIFICATION:

Amend paragraph numbers 41, 59 and 60 as follows.

[0041] Figures 4 and 5 display one of the pipes 109. The pipe 109 is annular to provide axisymmetric cooling to the annular forging F. The pipes 109 can be made from any suitable material, such as tooling steel (e.g. AMS5042, AMS5062, AISI4340), stainless steel (AISI310, AISI316, 17-4HP), copper and brass. As an example, the pipes 109 could have an inner diameter of between approximately 0.7" and 1.3" and have a suitable thickness. The specific values will depend upon the demands of the quenching process.

[0059] The present invention can locally adjust impingement cooling by varying any of the aforementioned characteristics. For example, one can selectively adjust cooling to desired areas of